```
         RAW SEQUENCE LISTING                    DATE: 08/07/2002
         PATENT APPLICATION:  US/09/865,553A     TIME: 10:55:30

         Input Set : A:\032751-050.ST25.txt
         Output Set: N:\CRF3\08072002\I865553A.raw


   4 <110> APPLICANT: Rittner, Karola
   5        Jacobs, Eric
   7 <120> TITLE OF INVENTION: Complex for Transferring an Anionic Substance of Interest
into a Cell
  10 <130> FILE REFERENCE: 032751-050
  12 <140> CURRENT APPLICATION NUMBER: US 09/865,553A
  13 <141> CURRENT FILING DATE: 2001-05-29
  15 <150> PRIOR APPLICATION NUMBER: US 60/246,083
  16 <151> PRIOR FILING DATE: 2000-11-07
  18 <150> PRIOR APPLICATION NUMBER: US 60/277,982
  19 <151> PRIOR FILING DATE: 2001-03-23
  21 <150> PRIOR APPLICATION NUMBER: EP 00 44 0162.6
  22 <151> PRIOR FILING DATE: 2000-05-26
  24 <150> PRIOR APPLICATION NUMBER: EP 01 44 0049.3
  25 <151> PRIOR FILING DATE: 2001-02-27
  27 <160> NUMBER OF SEQ ID NOS: 20
  29 <170> SOFTWARE: FastSEQ for Windows Version 4.0
  31 <210> SEQ ID NO: 1
  32 <211> LENGTH: 20
  33 <212> TYPE: PRT
  34 <213> ORGANISM: Artificial Sequence
  36 <220> FEATURE:
  37 <223> OTHER INFORMATION: mutPep
W--> 39 <221> NAME/KEY: VARIANT
  40 <222> LOCATION: 4, 8, 11, 15, 19
  41 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 43 <400> 1
W--> 44 Gly Leu Phe Xaa Ala Leu Leu Xaa Leu Leu Xaa Ser Leu Trp Xaa Leu
  45 1               5                   10                  15
W--> 46 Leu Leu Xaa Ala
  47               20
  50 <210> SEQ ID NO: 2
  51 <211> LENGTH: 20
  52 <212> TYPE: PRT
  53 <213> ORGANISM: Artificial Sequence
  55 <220> FEATURE:
  56 <223> OTHER INFORMATION: PPTG1
  58 <400> SEQUENCE: 2
  59 Gly Leu Phe Lys Ala Leu Leu Lys Leu Leu Lys Ser Leu Trp Lys Leu
  60 1               5                   10                  15
  61 Leu Leu Lys Ala
  62               20
  65 <210> SEQ ID NO: 3
  66 <211> LENGTH: 20
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RAW SEQUENCE LISTING   DATE: 08/07/2002
PATENT APPLICATION: US/09/865,553A   TIME: 10:55:30

Input Set : A:\032751-050.ST25.txt
Output Set: N:\CRF3\08072002\I865553A.raw

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67  <212> TYPE: PRT
68  <213> ORGANISM: Artificial Sequence
70  <220> FEATURE:
71  <223> OTHER INFORMATION: JTS-1
73  <400> SEQUENCE: 3
74  Gly Leu Phe Glu Ala Leu Leu Glu Leu Leu Glu Ser Leu Trp Glu Leu
75  1               5                   10                  15
76  Leu Leu Glu Ala
77              20
80  <210> SEQ ID NO: 4
81  <211> LENGTH: 40
82  <212> TYPE: PRT
83  <213> ORGANISM: Artificial Sequence
85  <220> FEATURE:
86  <223> OTHER INFORMATION: JTS-1-K13
88  <400> SEQUENCE: 4
89  Gly Leu Phe Glu Ala Leu Leu Glu Leu Leu Glu Ser Leu Trp Glu Leu
90  1               5                   10                  15
91  Leu Leu Glu Ala Cys Cys Tyr Lys Ala Lys Lys Lys Lys Lys Lys Lys
92              20                  25                  30
93  Lys Trp Lys Lys Lys Lys Gln Ser
94              35                  40
97  <210> SEQ ID NO: 5
98  <211> LENGTH: 30
99  <212> TYPE: PRT
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: KALA
105 <400> SEQUENCE: 5
106 Trp Glu Ala Lys Leu Ala Lys Ala Leu Ala Lys Ala Leu Ala Lys His
107 1               5                   10                  15
108 Leu Ala Lys Ala Leu Ala Lys Ala Leu Lys Ala Cys Glu Ala
109             20                  25                  30
112 <210> SEQ ID NO: 6
113 <211> LENGTH: 20
114 <212> TYPE: PRT
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: ppTG20
120 <400> SEQUENCE: 6
121 Gly Leu Phe Arg Ala Leu Leu Arg Leu Leu Arg Ser Leu Trp Arg Leu
122 1               5                   10                  15
123 Leu Leu Arg Ala
124             20
127 <210> SEQ ID NO: 7
128 <211> LENGTH: 20
129 <212> TYPE: PRT
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
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133 <223> OTHER INFORMATION: ppTG21
135 <400> SEQUENCE: 7
136 Gly Leu Phe His Ala Leu Leu His Leu Leu His Ser Leu Trp His Leu
137 1               5               10              15
138 Leu Leu His Ala
139            20
142 <210> SEQ ID NO: 8
143 <211> LENGTH: 21
144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: ppTG22
150 <400> SEQUENCE: 8
151 Gly Leu Phe Lys Ala Leu Leu Lys Leu Leu Lys Ser Leu Trp Lys Leu
152 1               5               10              15
153 Leu Leu Lys Ala Cys
154            20
157 <210> SEQ ID NO: 9
158 <211> LENGTH: 21
159 <212> TYPE: PRT
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: ppTG23
165 <400> SEQUENCE: 9
166 Cys Gly Leu Phe Lys Ala Leu Leu Lys Leu Leu Lys Ser Leu Trp Lys
167 1               5               10              15
168 Leu Leu Leu Lys Ala
169            20
172 <210> SEQ ID NO: 10
173 <211> LENGTH: 22
174 <212> TYPE: PRT
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: ppTG24
180 <400> SEQUENCE: 10
181 Cys Gly Leu Phe Lys Ala Leu Leu Lys Leu Leu Lys Ser Leu Trp Lys
182 1               5               10              15
183 Leu Leu Leu Lys Ala Cys
184            20
187 <210> SEQ ID NO: 11
188 <211> LENGTH: 32
189 <212> TYPE: PRT
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: ppTG25
195 <400> SEQUENCE: 11
196 Gly Leu Phe Lys Ala Leu Leu Lys Leu Leu Lys Ser Leu Trp Lys Leu
197 1               5               10              15
198 Leu Leu Lys Ala Gly Gly Gly Pro Lys Lys Lys Arg Lys Val Glu Asp
```

RAW SEQUENCE LISTING   DATE: 08/07/2002
PATENT APPLICATION: US/09/865,553A   TIME: 10:55:30

Input Set : A:\032751-050.ST25.txt
Output Set: N:\CRF3\08072002\I865553A.raw

```
199            20                25              30
202 <210> SEQ ID NO: 12
203 <211> LENGTH: 32
204 <212> TYPE: PRT
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: ppTG26
210 <400> SEQUENCE: 12
211 Gly Leu Phe Lys Ala Leu Leu Lys Leu Leu Lys Ser Leu Trp Lys Leu
212 1               5                10              15
213 Leu Leu Lys Ala Gly Gly Gly Pro Lys Thr Lys Arg Lys Val Glu Asp
214            20                25              30
217 <210> SEQ ID NO: 13
218 <211> LENGTH: 32
219 <212> TYPE: PRT
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: ppTG27
225 <400> SEQUENCE: 13
226 Gly Leu Phe Lys Ala Leu Leu Lys Leu Leu Lys Ser Leu Trp Lys Leu
227 1               5                10              15
228 Leu Leu Lys Ala Gly Gly Gly Asp Glu Val Lys Arg Lys Lys Lys Pro
229            20                25              30
232 <210> SEQ ID NO: 14
233 <211> LENGTH: 20
234 <212> TYPE: PRT
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: ppTG28
240 <400> SEQUENCE: 14
241 Gly Leu Phe Lys Lys Leu Leu Lys Leu Leu Lys Lys Leu Trp Lys Leu
242 1               5                10              15
243 Leu Leu Lys Ala
244            20
247 <210> SEQ ID NO: 15
248 <211> LENGTH: 20
249 <212> TYPE: PRT
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: ppTG29
255 <400> SEQUENCE: 15
256 Gly Leu Phe Arg Arg Leu Leu Arg Leu Leu Arg Arg Leu Trp Arg Leu
257 1               5                10              15
258 Leu Leu Arg Ala
259            20
262 <210> SEQ ID NO: 16
263 <211> LENGTH: 20
264 <212> TYPE: PRT
265 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING   DATE: 08/07/2002
PATENT APPLICATION: US/09/865,553A   TIME: 10:55:30

Input Set : A:\032751-050.ST25.txt
Output Set: N:\CRF3\08072002\I865553A.raw

267 <220> FEATURE:
268 <223> OTHER INFORMATION: ppTG30
270 <400> SEQUENCE: 16
271 Gly Ile Phe Lys Ala Ile Ile Lys Ile Ile Lys Ser Ile Trp Lys Ile
272 1   5   10   15
273 Ile Ile Lys Ala
274   20
277 <210> SEQ ID NO: 17
278 <211> LENGTH: 20
279 <212> TYPE: PRT
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: ppTG31
285 <400> SEQUENCE: 17
286 Gly Ile Phe Arg Ala Ile Ile Arg Ile Ile Arg Ser Ile Trp Arg Ile
287 1   5   10   15
288 Ile Ile Arg Ala
289   20
292 <210> SEQ ID NO: 18
293 <211> LENGTH: 20
294 <212> TYPE: PRT
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: ppTG32
300 <400> SEQUENCE: 18
301 Gly Val Phe Lys Ala Val Val Lys Val Val Lys Ser Val Trp Lys Val
302 1   5   10   15
303 Val Val Lys Ala
304   20
307 <210> SEQ ID NO: 19
308 <211> LENGTH: 20
309 <212> TYPE: PRT
310 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
313 <223> OTHER INFORMATION: ppTG33
315 <400> SEQUENCE: 19
316 Gly Val Phe Arg Ala Val Val Arg Val Val Arg Ser Val Trp Arg Val
317 1   5   10   15
318 Val Val Arg Ala
319   20
322 <210> SEQ ID NO: 20
323 <211> LENGTH: 20
324 <212> TYPE: PRT
325 <213> ORGANISM: Artificial Sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: ppTG20-D-configuration
330 <400> SEQUENCE: 20
331 Gly Leu Phe Arg Ala Leu Leu Arg Leu Leu Arg Ser Leu Trp Arg Leu
332 1   5   10   15

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/07/2002
PATENT APPLICATION: US/09/865,553A   TIME: 10:55:31

Input Set : A:\032751-050.ST25.txt
Output Set: N:\CRF3\08072002\I865553A.raw

<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 4,8,11,15,19

VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/865,553A**

DATE: 08/07/2002
TIME: 10:55:31

Input Set : **A:\032751-050.ST25.txt**
Output Set: **N:\CRF3\08072002\I865553A.raw**

L:39 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:43 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:46 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16